

SCORE Search Results Details for Application 10529592 and Search Result 20090427_122927_us-10-529-592a-1.rni.

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This page gives you Search Results detail for the Application 10529592 and Search Result 20090427_122927_us-10-529-592a-1.rni.

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OM nucleic - nucleic search, using sw model

Run on: April 28, 2009, 04:32:33 ; Search time 1663 Seconds
(without alignments)
3770.440 Million cell updates/sec

Title: US-10-529-592A-1
Perfect score: 881
Sequence: 1 gggccatgacccccgctgct.....aaataaagatcctctgtaac 881

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9875436 seqs, 3558593875 residues

Total number of hits satisfying chosen parameters: 19750872

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*

- 1: /ABSS/Data/CRF/ptodata/1/ina/1_COMB.seq:*
- 2: /ABSS/Data/CRF/ptodata/1/ina/5_COMB.seq:*
- 3: /ABSS/Data/CRF/ptodata/1/ina/6A_COMB.seq:*
- 4: /ABSS/Data/CRF/ptodata/1/ina/6B_COMB.seq:*
- 5: /ABSS/Data/CRF/ptodata/1/ina/7A_COMB.seq:*
- 6: /ABSS/Data/CRF/ptodata/1/ina/7B_COMB.seq:*
- 7: /ABSS/Data/CRF/ptodata/1/ina/7C_COMB.seq:*
- 8: /ABSS/Data/CRF/ptodata/1/ina/7D_COMB.seq:*
- 9: /ABSS/Data/CRF/ptodata/1/ina/HA_COMB.seq:*
- 10: /ABSS/Data/CRF/ptodata/1/ina/HB_COMB.seq:*

11: /ABSS/Data/CRF/ptodata/1/ina/PCTUS_COMB.seq:*
 12: /ABSS/Data/CRF/ptodata/1/ina/PP_COMB.seq:*
 13: /ABSS/Data/CRF/ptodata/1/ina/RE_COMB.seq:*
 14: /ABSS/Data/CRF/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query						Description
	Score	% Match	Length	DB	ID		
c 1	611	69.4	614	5	US-10-342-887-2531		Sequence 2531, Ap
c 2	48	5.4	435	9	US-09-925-065A-489708		Sequence 489708,
3	48	5.4	491	9	US-09-925-065A-476799		Sequence 476799,
c 4	48	5.4	573	9	US-09-925-065A-489707		Sequence 489707,
5	48	5.4	598	9	US-09-925-065A-476800		Sequence 476800,
c 6	47.2	5.4	1501	7	US-09-815-264-24819		Sequence 24819, A
c 7	47.2	5.4	88445	7	US-09-815-264-62185		Sequence 62185, A
8	46.8	5.3	1074	6	US-10-369-493-40685		Sequence 40685, A
9	46.6	5.3	937	7	US-09-815-264-42661		Sequence 42661, A
10	46.6	5.3	5193	7	US-09-815-264-74174		Sequence 74174, A
11	46.2	5.2	1166	7	US-09-815-264-71852		Sequence 71852, A
12	46.2	5.2	11006	7	US-09-815-264-72063		Sequence 72063, A
c 13	46	5.2	23091	7	US-09-815-264-71914		Sequence 71914, A
c 14	45.4	5.2	905	7	US-09-815-264-7843		Sequence 7843, Ap
15	45.4	5.2	5022	7	US-09-815-264-82346		Sequence 82346, A
c 16	44.8	5.1	570	5	US-10-703-032-53884		Sequence 53884, A
17	44.2	5.0	25846	7	US-09-815-264-74363		Sequence 74363, A
c 18	44.2	5.0	33031	7	US-09-815-264-79040		Sequence 79040, A
c 19	44.2	5.0	45318	7	US-09-815-264-81171		Sequence 81171, A
20	44	5.0	957	3	US-09-902-540-2935		Sequence 2935, Ap
21	44	5.0	23417	3	US-09-902-540-1207		Sequence 1207, Ap
c 22	43.6	4.9	10047	7	US-09-815-264-88131		Sequence 88131, A
c 23	43.2	4.9	495	5	US-10-703-032-54541		Sequence 54541, A
c 24	43	4.9	1278	8	US-10-874-242-6		Sequence 6, Appli
25	43	4.9	1521	3	US-09-949-016-5766		Sequence 5766, Ap
c 26	43	4.9	1525	3	US-09-964-895-3		Sequence 3, Appli
c 27	43	4.9	1525	3	US-10-651-013-3		Sequence 3, Appli
c 28	43	4.9	1525	5	US-10-832-353-3		Sequence 3, Appli
c 29	43	4.9	4211	6	US-10-252-111A-3		Sequence 3, Appli
c 30	43	4.9	4286	3	US-09-899-634C-1		Sequence 1, Appli
c 31	43	4.9	5630	5	US-10-473-637-9		Sequence 9, Appli
c 32	43	4.9	5759	3	US-09-954-483B-14		Sequence 14, Appl
c 33	43	4.9	6148	3	US-09-954-483B-13		Sequence 13, Appl
c 34	43	4.9	8033	3	US-09-574-779B-134		Sequence 134, App
35	43	4.9	28374	3	US-09-949-016-17508		Sequence 17508, A
c 36	42.8	4.9	563	7	US-09-815-264-82517		Sequence 82517, A
37	42.8	4.9	1252	8	US-10-098-754-10444		Sequence 10444, A
38	42.8	4.9	77294	7	US-10-729-802A-1		Sequence 1, Appli

	39	42.6	4.8	1383	6	US-10-369-493-31801	Sequence 31801, A
	40	42.6	4.8	3477	5	US-10-173-999-11	Sequence 11, Appl
	41	42.6	4.8	26297	7	US-09-815-264-72253	Sequence 72253, A
	42	42.6	4.8	36372	7	US-09-815-264-72285	Sequence 72285, A
c	43	42.2	4.8	774	3	US-08-415-655-11	Sequence 11, Appl
	44	42.2	4.8	15573	7	US-09-815-264-61089	Sequence 61089, A
	45	42	4.8	972	3	US-09-252-991A-3993	Sequence 3993, Ap

ALIGNMENTS

RESULT 1

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US-10-342-887-2531/c
; Sequence 2531, Application US/10342887
; Patent No. 7171311
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 2531
; LENGTH: 614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-2531
    
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Query Match          69.4%; Score 611; DB 5; Length 614;
Best Local Similarity 100.0%; Pred. No. 7e-142;
Matches 611; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
    
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Qy	271	GACATCATCATCACGCCCCCACCACCGGGCATGATGCTGCCGAGGGACTTGGGGAGC	330
Db	614	GACATCATCATCACGCCCCCACCACCGGGCATGATGCTGCCGAGGGACTTGGGGAGC	555
Qy	331	ACAGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCC	390

Db	554	ACAGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCC	495
Qy	391	TGAGGAGGTGTCTCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGT	450
Db	494	TGAGGAGGTGTCTCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGT	435
Qy	451	CCGGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACCTGAGCGAAC	510
Db	434	CCGGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACCTGAGCGAAC	375
Qy	511	CCGGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCC	570
Db	374	CCGGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCC	315
Qy	571	AGAACAGTGTTTCCAGGCCCGCTGAGTGGACCGACCTCTGACACCTCCAGGTTCCTTG	630
Db	314	AGAACAGTGTTTCCAGGCCCGCTGAGTGGACCGACCTCTGACACCTCCAGGTTCCTTG	255
Qy	631	CTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCTTGCTGTTGGGGTCCAGGGAGAG	690
Db	254	CTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCTTGCTGTTGGGGTCCAGGGAGAG	195
Qy	691	GCTCTCTTCTGGACAAACACACCCTCCAGCCCCAGGGCTGTGCAAAACACATGCCCTG	750
Db	194	GCTCTCTTCTGGACAAACACACCCTCCAGCCCCAGGGCTGTGCAAAACACATGCCCTG	135
Qy	751	CCATAAGCACCAACAAGAACTTCTTGCAAGTGGAGTGGCTGTTTTTATAAGTTGTTTTA	810
Db	134	CCATAAGCACCAACAAGAACTTCTTGCAAGTGGAGTGGCTGTTTTTATAAGTTGTTTTA	75
Qy	811	CAGATACGGAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCAATTATAAATAAAGA	870
Db	74	CAGATACGGAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCAATTATAAATAAAGA	15
Qy	871	TCCTCTGTAAC	881
Db	14	TCCTCTGTAAC	4

RESULT 2

US-09-925-065A-489708/c

; Sequence 489708, Application US/09925065A

; Patent No. H002191

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single

; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.135

; CURRENT APPLICATION NUMBER: US/09/925,065A

; CURRENT FILING DATE: 2001-08-08

; PRIOR APPLICATION NUMBER: US 60/243,096

; PRIOR FILING DATE: 2000-10-24

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; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 489708
;   LENGTH: 435
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-925-065A-489708

```

```

Query Match          5.4%; Score 48; DB 9; Length 435;
Best Local Similarity 100.0%; Pred. No. 0.097;
Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      144 GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 191
          |||
Db      71 GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 24

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RESULT 3

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US-09-925-065A-476799
; Sequence 476799, Application US/09925065A
; Patent No. H002191
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 476799
;   LENGTH: 491
;   TYPE: DNA
;   ORGANISM: Homo sapiens

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US-09-925-065A-476799

Query Match 5.4%; Score 48; DB 9; Length 491;
 Best Local Similarity 100.0%; Pred. No. 0.1;
 Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 144 GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 191
 ||||||||||||||||||||||||||||||||||||||||||||
 Db 368 GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 415

RESULT 4

US-09-925-065A-489707/c
 ; Sequence 489707, Application US/09925065A
 ; Patent No. H002191
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single
 ; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
 ; FILE REFERENCE: 108827.135
 ; CURRENT APPLICATION NUMBER: US/09/925,065A
 ; CURRENT FILING DATE: 2001-08-08
 ; PRIOR APPLICATION NUMBER: US 60/243,096
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 60/252,147
 ; PRIOR FILING DATE: 2000-11-20
 ; PRIOR APPLICATION NUMBER: US 60/250,092
 ; PRIOR FILING DATE: 2000-11-30
 ; PRIOR APPLICATION NUMBER: US 60/261,766
 ; PRIOR FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: US 60/289,846
 ; PRIOR FILING DATE: 2001-05-09
 ; NUMBER OF SEQ ID NOS: 957086
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 489707
 ; LENGTH: 573
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-925-065A-489707

Query Match 5.4%; Score 48; DB 9; Length 573;
 Best Local Similarity 100.0%; Pred. No. 0.11;
 Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 144 GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 191
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 Db 211 GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 164

RESULT 5

US-09-925-065A-476800
 ; Sequence 476800, Application US/09925065A

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; Patent No. H002191
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 476800
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-476800

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Query Match          5.4%; Score 48; DB 9; Length 598;
Best Local Similarity 100.0%; Pred. No. 0.11;
Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      144  GGCGCTGAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 191
          |||
Db      363  GGCGCTGAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 410

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RESULT 6

US-09-815-264-24819/c

```

; Sequence 24819, Application US/09815264
; Patent No. 7365185
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Cao, Yongwei
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Koshi, Jeffrey M.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: McIninch, James
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
; FILE REFERENCE: 38-21(51237)G
; CURRENT APPLICATION NUMBER: US/09/815,264
; CURRENT FILING DATE: 2001-03-23

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; PRIOR APPLICATION NUMBER: US 09/620,392
 ; PRIOR FILING DATE: 2000-07-19
 ; PRIOR APPLICATION NUMBER: US 09/702,134
 ; PRIOR FILING DATE: 2000-10-31
 ; NUMBER OF SEQ ID NOS: 109669
 ; SEQ ID NO 24819
 ; LENGTH: 1501
 ; TYPE: DNA
 ; ORGANISM: Oryza sativa
 US-09-815-264-24819

Query Match 5.4%; Score 47.2; DB 7; Length 1501;
 Best Local Similarity 48.2%; Pred. No. 0.24;
 Matches 133; Conservative 0; Mismatches 143; Indels 0; Gaps 0;

Qy	50	CCGAGCCCCGACCGCCGCCACCACCAGCGCCCGGGGGGGCTCGCGCGCTCGGG	109
Db	873	CCATTCATTCCACCACCCCAAAAAATCTCCACCCGCCGCCCTCCGGCGACACCGC	814
Qy	110	CGCGGCTCCGAGTGAGCCACCAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGGGGC	169
Db	813	CACCGCCACCGGAGAGATGTTGCTGGTGAGCCAGGCGCCCAATGGTTCGGTCTCCGCGC	754
Qy	170	TTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCCACG	229
Db	753	GGCGGCTGCCCTCCAAGCAGCCCGGCCGCCAGCGGCTAGCGGCAGCAGCAGCGTCCCA	694
Qy	230	ACGAGGCCCCCGTCCTGAACGACAAAGCACCTGGACGTGCCCGACATCATCATACGCCCC	289
Db	693	ACCGGTACCGCTCTTCGCCACCCAGCGGCTTCTTCGACACCGCCGCCGCCGCTCG	634
Qy	290	CCACCCCCACGGGATGATGCTGCCAGGGACTTGG	325
Db	633	CGCTCTCCGGCGCGACGCGGGGGGGCCCTCG	598

RESULT 7

US-09-815-264-62185/c
 ; Sequence 62185, Application US/09815264
 ; Patent No. 7365185
 ; GENERAL INFORMATION:
 ; APPLICANT: Boukharov, Andrey A.
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Dotson, Stanton B.
 ; APPLICANT: Koshi, Jeffrey M.
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Liu, Jingdong
 ; APPLICANT: McIninch, James
 ; APPLICANT: Wu, Wei
 ; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
 ; FILE REFERENCE: 38-21(51237)G
 ; CURRENT APPLICATION NUMBER: US/09/815,264


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; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: US 09/620,392
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: US 09/702,134
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 109669
; SEQ ID NO 62185
; LENGTH: 88445
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(88445)
; OTHER INFORMATION: unsure at all n locations
US-09-815-264-62185

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Query Match          5.4%; Score 47.2; DB 7; Length 88445;
Best Local Similarity 48.2%; Pred. No. 1;
Matches 133; Conservative 0; Mismatches 143; Indels 0; Gaps 0;

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Qy      50  CCGAGCCCCGACCGCCGCCGCCACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGG 109
          || || || || || || || || || || || || || || || || || || || ||
Db      58817 CCATTCCATTCCACCACCCCCAAAAAATCTCCACCCGCGCGCCTCCGGCGACACCGCG 58758

Qy      110 CGCGGGCTCCGCAGTGAGCCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGC 169
          || || || || || || || || || || || || || || || || || || || ||
Db      58757 CACCGCCCAACCGGAGAGATGTTGCTGGTGAGCCAGGCGGCCAATGTTTCCGTCTCCGCGC 58698

Qy      170 TTAAGATGTCTGCCTGAAAGGCTTTCAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACG 229
          || || || || || || || || || || || || || || || || || || || ||
Db      58697 GGCGGCTGCCCTCCAAGCAGCCCGGCCGCCAGCGGCTAGCGGCAGCAGCAGCGTCCCCA 58638

Qy      230 ACGAGGCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCC 289
          || || || || || || || || || || || || || || || || || || || ||
Db      58637 ACCCGTACCCGCTCTTTCGCCACCACGCGCCTTCTTCGCGACCGCGCGCGCGCGCCTCG 58578

Qy      290 CCACCCCCACGGGCATGATGCTGCCGAGGGACTTGG 325
          | | || | | || || || || || || || || || || || || || || || ||
Db      58577 CGCTCTCCGGCGCGACGCGCGGGGGGGGCCCTCG 58542

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RESULT 8

US-10-369-493-40685

; Sequence 40685, Application US/10369493

; Patent No. 7314974

; GENERAL INFORMATION:

; APPLICANT: Cao, Yongwei

; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.

; APPLICANT: Goldman, Barry S.

; APPLICANT: Chen, Xianfeng

; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF

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; TITLE OF INVENTION:  PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 40685
; LENGTH: 1074
; TYPE: DNA
; ORGANISM: Caulobacter crescentus
US-10-369-493-40685
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Query Match 5.3%; Score 46.8; DB 6; Length 1074;
 Best Local Similarity 50.0%; Pred. No. 0.26;
 Matches 117; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

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Qy      75 CCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCGAGTGAGCCCACCAA 134
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      825 GCACAAGCGCGTCCCGGCCACGGCGAGGACCTGGAGCGCCTCGCGAAGAACCAGCATCCT 884

Qy      135 GAAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTT 194
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      885 GATCGACGGCGCGTCGGCGAGGAAGGGCTCTTGCTGCAGATCTTACCCGAGAACCTGTT 944

Qy      195 TCAAAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGCTCCTGAACGACAA 254
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      945 TGGTCCGATCTTCTTCGAGATCATCCAGCGCAAGGGCAATGAAGGCTTCGGCAACGGGCAA 1004

Qy      255 GCACCTGGAGCTGCCCGACATCATCATACGCCCCCCCCACCGGGCATGAT 308
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1005 CTTCCAGGCCTGTTTCGAGAGCATCGAAGTGGACAGATCCGCCGCGCGGTGAT 1058
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RESULT 9

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US-09-815-264-42661
; Sequence 42661, Application US/09815264
; Patent No. 7365185
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Cao, Yongwei
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Koshi, Jeffrey M.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: McIninch, James
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
; FILE REFERENCE: 38-21(51237)G
; CURRENT APPLICATION NUMBER: US/09/815,264
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: US 09/620,392
```

```
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: US 09/702,134
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 109669
; SEQ ID NO 42661
; LENGTH: 937
; TYPE: DNA
; ORGANISM: Oryza sativa
US-09-815-264-42661
```

Query Match 5.3%; Score 46.6; DB 7; Length 937;
Best Local Similarity 56.1%; Pred. No. 0.28;
Matches 88; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

Qy	4	CCATGACCCCCGCTGCTCTGTCTTTGCAAGGCTCTGTCGCGCGGGCCCCCGAGCCCGACCGC	63
Db	360	CCACCGCGCGCGCGCGCGCGCGGACTCCACTTCCACCGCGCGCGCGCGCCACCTC	419
Qy	64	CGCGGCCACCAACCACAGCGCCCGGGCGGGCTCGCGCGCTCGGGCGGGCTCCGCAGT	123
Db	420	CACCTCCACGCCACCGCGCGCTGCGCGCGGACTCCACCTCGCGGCTGCCGCGCGCC	479
Qy	124	GAGCCCAACGAAGAAGAGCGGCCTGCAGAGGTGCCG	160
Db	480	GACTCCACGCGCGCGCGCGCGCGGACTTTACG	516

RESULT 10

```

US-09-815-264-74174
; Sequence 74174, Application US/09815264
; Patent No. 7365185
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Cao, Yongwei
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Koshi, Jeffrey M.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: McIninch, James
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
; FILE REFERENCE: 38-21(51237)G
; CURRENT APPLICATION NUMBER: US/09/815,264
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: US 09/620,392
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: US 09/702,134
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 109669
; SEQ ID NO 74174
; LENGTH: 5193
; TYPE: DNA

```

; ORGANISM: Oryza sativa
US-09-815-264-74174

Query Match 5.3%; Score 46.6; DB 7; Length 5193;
Best Local Similarity 56.1%; Pred. No. 0.52;
Matches 88; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

Qy	4	CCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCGCGGCCCCCGAGCCCGACCCG	63
Db	360	CCACCGCGCGCGCGCGCGCGCGCGGACTCCACTTCCACCGCGCGCGCGCGCCACCTC	419
Qy	64	CGCCGCCACCAACCACAGCGCCCGGGCGGGCTCGCGCGCTCGGGCGGGCTCCGCAGT	123
Db	420	CACCTCCACCGCCACGCGCGCGTGC GCGCGGACTCCACCTCGCGCGTGC GCGCGCC	479
Qy	124	GAGCCCAACGAAGAAGCGGCCTGCAGAGGTGCCG	160
Db	480	GACTCCACGCGCGCGCGCGCGCGGACTTTACG	516

RESULT 11

```

US-09-815-264-71852
; Sequence 71852, Application US/09815264
; Patent No. 7365185
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Cao, Yongwei
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Koshi, Jeffrey M.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: McIninch, James
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
; FILE REFERENCE: 38-21(51237)G
; CURRENT APPLICATION NUMBER: US/09/815,264
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: US 09/620,392
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: US 09/702,134
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 109669
; SEQ ID NO 71852
; LENGTH: 1166
; TYPE: DNA
; ORGANISM: Oryza sativa
US-09-815-264-71852

```

Query Match 5.2%; Score 46.2; DB 7; Length 1166;
Best Local Similarity 47.2%; Pred. No. 0.38;
Matches 141; Conservative 0; Mismatches 158; Indels 0; Gaps 0;

```

Qy      47  CCCCCGAGCCCGACCGCCGCCACCACCAGCGCCCGGGCGGCGCTCGCGCGCCTC 106
      ||| |||| | | ||| |||| | || | || | | | |
Db      565  CCCAGGAGCTCCTCAGCCACCGCCGCTCCAGTCTGCTCCGCCCGCTCCGCGAGGACGAGC 624

Qy     107  GGGCGCGGCTCCGCACTGAGCCACCAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGG 166
      | | |||| | | | | | | | | | | | | | |
Db     625  TCGGCCGCTCTCCGCGCGCTCGACGCGGCGGGCGGCGGACGGCGGTGAACCTCA 684

Qy     167  GGCTTAAGATGTCTGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCC 226
      | | |||| | | | | | | | | | | | | | |
Db     685  CGGCGATGATGTCCACCTACGTGCGCGACTCCACGGTGCAGCGCCATCATCGGCAGCCGCC 744

Qy     227  ACGACGAGGCCCCCGTCTGTAACGACAAGCACCTGGACGTGCCCGACATCATCATCAGC 286
      | ||| | | | | | | | | | | | | | |
Db     745  GGCTCAAGGACCGCGACGCGTTCCTCCGGATGCTCGACGAGCTGTTACCATCATGCCCCG 804

Qy     287  CCCCCACCCCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGAT 345
      | | | | | | | | | | | | | | | |
Db     805  GGATGAGCCTCCCGACCTCTTCCCGTCTGCGCGCTCGCCATGCTCGTCAGCCGCGCT 863

```

RESULT 12

US-09-815-264-72063

; Sequence 72063, Application US/09815264

; Patent No. 7365185

; GENERAL INFORMATION:

; APPLICANT: Boukharov, Andrey A.

; APPLICANT: Cao, Yongwei

; APPLICANT: Dotson, Stanton B.

; APPLICANT: Koshi, Jeffrey M.

; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong

; APPLICANT: McIninch, James

; APPLICANT: Wu, Wei

; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof

; FILE REFERENCE: 38-21(51237)G

; CURRENT APPLICATION NUMBER: US/09/815,264

; CURRENT FILING DATE: 2001-03-23

; PRIOR APPLICATION NUMBER: US 09/620,392

; PRIOR FILING DATE: 2000-07-19

; PRIOR APPLICATION NUMBER: US 09/702,134

; PRIOR FILING DATE: 2000-10-31

; NUMBER OF SEQ ID NOS: 109669

; SEQ ID NO 72063

; LENGTH: 11006

; TYPE: DNA

; ORGANISM: Oryza sativa

US-09-815-264-72063

Query Match 5.2%; Score 46.2; DB 7; Length 11006;

Best Local Similarity 47.2%; Pred. No. 0.85;

Matches 141; Conservative 0; Mismatches 158; Indels 0; Gaps 0;

Qy	47	CCCCGAGCCCGACCGCCGCCACCACCAGCGCCCGGGCGGCTCGCGCGCCTC	106
Db	5739	CCCAGGAGTCTCTACGCCACCGCGCGTCCAGTCGTTCCGCCCGCTCCGCGAGGACGAGC	5798
Qy	107	GGGCGCGGCTCCGAGTGAGCCCAAGAAGGAAGCGGCTGCAGAGGTGCCACATGG	166
Db	5799	TCGGCCGCTCTCCGCGCCGTCGACGCGGCGGCGGCGGCGGACGGCGGTGAACCTCA	5858
Qy	167	GGCTTAAGATGTCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGC	226
Db	5859	CGGCGATGATGTCCACCTACGTCGCCGACTCCACGGTGCAGCGCCATCATCGGCAGCCGCC	5918
Qy	227	ACGACGAGGCCCCCGTCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGC	286
Db	5919	GGCTCAAGGACCGCGACGCGTCTCCGGATGCTCGACGAGCTGTTACCATCATGCCCCG	5978
Qy	287	CCCCACCCCCACGGGCATGATGCTGCCGAGGACTTGGGGAGCACAGTCTGGCTGGAT	345
Db	5979	GGATGAGCCTCCCGACCTCTTCCCGTCGTCGCCCTCGCCATGCTCGTCAGCCGCGCT	6037

RESULT 13

US-09-815-264-71914/c

; Sequence 71914, Application US/09815264

; Patent No. 7365185

GENERAL INFORMATION:

; APPLICANT: Boukharov, Andrey A.

; APPLICANT: Cao, Yongwei

; APPLICANT: Dotson, Stanton B.

; APPLICANT: Koshi, Jeffrey M.

; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong

; APPLICANT: McIninch, James

; APPLICANT: Wu, Wei

; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof

; FILE REFERENCE: 38-21(51237)G

; CURRENT APPLICATION NUMBER: US/09/815,264

; CURRENT FILING DATE: 2001-03-23

; PRIOR APPLICATION NUMBER: US 09/620,392

; PRIOR FILING DATE: 2000-07-19

; PRIOR APPLICATION NUMBER: US 09/702,134

; PRIOR FILING DATE: 2000-10-31

; NUMBER OF SEQ ID NOS: 109669

; SEQ ID NO 71914

; LENGTH: 23091

; TYPE: DNA

; ORGANISM: Oryza sativa

US-09-815-264-71914

Query Match 5.2%; Score 46; DB 7; Length 23091;

Best Local Similarity 50.5%; Pred. No. 1.2;

Matches 112; Conservative 0; Mismatches 110; Indels 0; Gaps 0;

```

Qy      32  GCTCGTCGCGCGCGCCCGGAGCCCGACCGCCGCCGCCACCACCAGCGCCCGGGCG 91
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      9193 GGTCTCTGACGCGCACGCCGGCGCCACCAGCACCGCCCGCTCCCGCCGCACCACCACG 9134

Qy      92  GGCTTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCACCAAGAAGGAAGCGGCTGCA 151
      | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      9133 CCAGCTGCGAGAACGTCTCGAGGCCGCGCATGGCGCCCCACGCCGTGGCCGCGGTACCG 9074

Qy      152 GAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTCAAATGTGTGTAGCA 211
      | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      9073 TGGCCGCCCGCGCGCGGGGAGGATCTCCAGCGCGTACGACTCGTCCACGCCGTGCTGCA 9014

Qy      212 GCAGCAGCAGCAGCCACGACGAGGCCCGCCGTCCTGAACGACA 253
      | | | | | | | | | | | | | | | | | | | |
Db      9013 GCGGCGCGTGCAGGTTCGGACACGGCGAGCGTCAGGTACCCCA 8972

```

RESULT 14

US-09-815-264-7843/c

; Sequence 7843, Application US/09815264

; Patent No. 7365185

; GENERAL INFORMATION:

; APPLICANT: Boukharov, Andrey A.

; APPLICANT: Cao, Yongwei

; APPLICANT: Dotson, Stanton B.

; APPLICANT: Koshi, Jeffrey M.

; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong

; APPLICANT: McIninch, James

; APPLICANT: Wu, Wei

; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof

; FILE REFERENCE: 38-21(51237)G

; CURRENT APPLICATION NUMBER: US/09/815,264

; CURRENT FILING DATE: 2001-03-23

; PRIOR APPLICATION NUMBER: US 09/620,392

; PRIOR FILING DATE: 2000-07-19

; PRIOR APPLICATION NUMBER: US 09/702,134

; PRIOR FILING DATE: 2000-10-31

; NUMBER OF SEQ ID NOS: 109669

; SEQ ID NO 7843

; LENGTH: 905

; TYPE: DNA

; ORGANISM: Oryza sativa

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1)..(905)

; OTHER INFORMATION: unsure at all n locations

US-09-815-264-7843

Query Match 5.2%; Score 45.4; DB 7; Length 905;

Best Local Similarity 60.8%; Pred. No. 0.56;

Matches 73; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

```

Qy      10  CCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCGCGGGCCCCCGAGCCCGACCGCCGCCGC 69
          ||||| | | | | | | | | | | | | | | | | | | | | |
Db      458  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCGCCCGCCCCCCCCC 399

Qy      70  CACCACCACAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCC 129
          | | | | | | | | | | | | | | | | | | | | | |
Db      398  CCCCCCGCGCGGCCCGGGCGCGCGCCCGGGCGCGCCCGGCCCGCCGCCCGGGCGCNC 339

```

RESULT 15

US-09-815-264-82346

; Sequence 82346, Application US/09815264

; Patent No. 7365185

; GENERAL INFORMATION:

; APPLICANT: Boukharov, Andrey A.

; APPLICANT: Cao, Yongwei

; APPLICANT: Dotson, Stanton B.

; APPLICANT: Koshi, Jeffrey M.

; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong

; APPLICANT: McIninch, James

; APPLICANT: Wu, Wei

; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof

; FILE REFERENCE: 38-21(51237)G

; CURRENT APPLICATION NUMBER: US/09/815,264

; CURRENT FILING DATE: 2001-03-23

; PRIOR APPLICATION NUMBER: US 09/620,392

; PRIOR FILING DATE: 2000-07-19

; PRIOR APPLICATION NUMBER: US 09/702,134

; PRIOR FILING DATE: 2000-10-31

; NUMBER OF SEQ ID NOS: 109669

; SEQ ID NO 82346

; LENGTH: 5022

; TYPE: DNA

; ORGANISM: Oryza sativa

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1)..(5022)

; OTHER INFORMATION: unsure at all n locations

US-09-815-264-82346

Query Match 5.2%; Score 45.4; DB 7; Length 5022;

Best Local Similarity 60.8%; Pred. No. 1;

Matches 73; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

```

Qy      10  CCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCGCGGGCCCCCGAGCCCGACCGCCGCCGC 69
          ||||| | | | | | | | | | | | | | | | | | | | | |
Db      4565 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCGCCCGCCCCCCCCC 4624

```



```
Qy          70 CACCACCAACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCC 129
              | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db          4625 CCCCCCGCCGGCCCGGGCGCGCGCCCGGGCGCGCCCGGGCCCCGCCGCCGGGGCGCNC 4684
```

Search completed: April 28, 2009, 05:00:22

Job time : 1669 secs

SCORE: 3.5